

## CETONI Ultra High Pressure Module

### Flow Performance

Syringe	Volume stroke [mm]	Parameter*			Pressure max.* [Bar/psi]
		Flow rate min. [nl/min]	Recommended pulse free limit [µl/min]	Flow rate max. [ml/min]	
10 ml	127,21	12,0	10,8	61,4	890 / 13000
25 ml	124,20	30,9	27,8	158	345 / 5003
75 ml	121,71	95,4	85,8	486	110 / 1595
100 ml	124,24	124	111	631	85 / 1232
250 ml	127,25	302	272	1540	35 / 507

\*The flow and pressure values shown are calculated theoretically and are only intended as guide values. The respective ambient conditions of the application (e.g. temperature, pressure, friction) and the medium itself have an influence on the minimum and maximum values that can actually be achieved.

### Materials and Ports

<b>Fluid ports</b>	7/16"-20UNF female with pipe fitting to 1/4" tube and optional reducing pipe fitting to 1/8" tube
<b>Wetted materials</b>	Syringe body: 316L steel / Hastelloy, Syringe O-ring version: PEEK, FKM / EPDM / FFKM Syringe plain seal ring version: PTFE

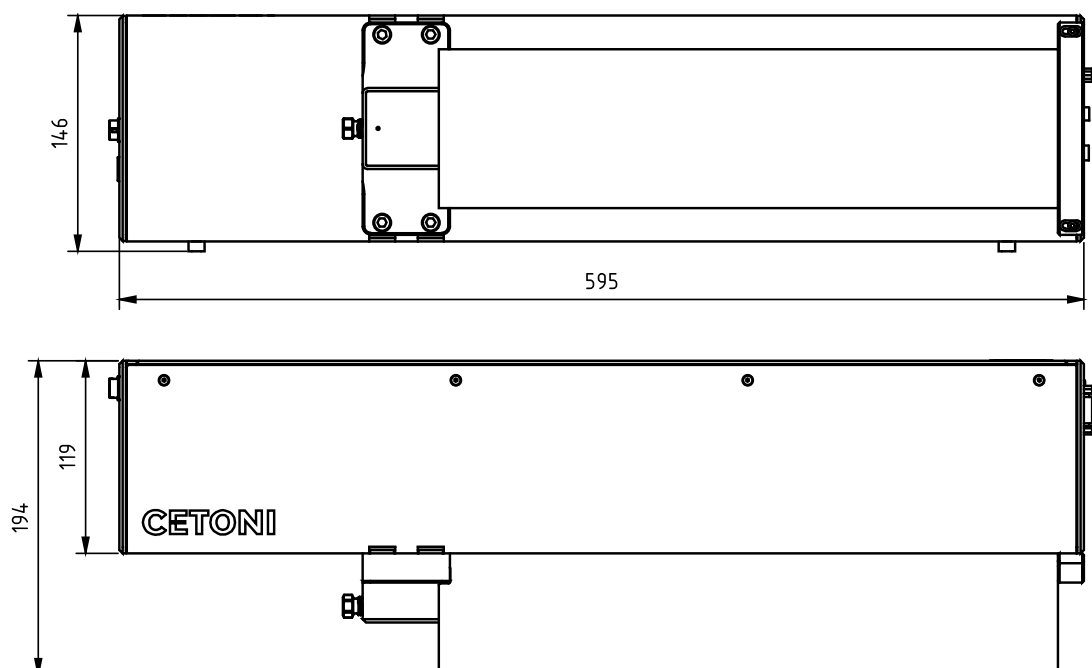
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### Performance Data

<b>Pusher velocity max.</b>	13 mm/s
<b>Pusher velocity min.</b>	2,564 nm/s
<b>Pusher travel min.</b>	76,923 nm
<b>Pusher force max.</b>	7000 N
<b>Travel range max.</b>	135 mm

### Mechanical Data

<b>Weight</b>	19 kg
<b>Dimensions [L x W x H]</b>	595 x 194 x 146 mm



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## Environmental Data

<b>Operating temperature</b>	0 – 45 °C
<b>Storage temperature</b>	-40 – 85 °C
<b>Operating humidity</b>	20 – 80 % (non-condensing)
<b>Storage humidity</b>	20 – 80 % (non-condensing)

## Interfaces

<b>CAN</b>	1 Mbit/s max.
<b>RS232</b>	115200 bit/s max.
<b>USB</b>	with USB-CAN module
<b>I/O (for valve and pressure sensor)</b>	12 bit

## Electrical Data

<b>Power supply voltage</b>	48 V DC
<b>Peak power consumption</b>	240 W